



Imagery

Practical applications of Remote Sensing

Duration: 2 Days (16 Hours)

Remote Sensing.

The purpose of this module is to introduce you to the basic concepts, terminology, methods and products of satellite images and aerial photographs. You will learn the differences and benefits between aerial and satellite images. You will also learn where to source remote sensing images in South Africa as well as how to do aerial triangulation. In addition, you will learn the basics of analysing images for use in a GIS.

Note: Course concepts apply to ArcGIS 10.4, 10.5, and 10.6. Esri will provide ArcGIS 10.6 software for use during class. ArcMap is used in course exercises.

Goals



Understand the value of aerial and satellite images as a source of data for use in GIS.



Understand the basic principles of remote sensing.



Understand and explain the difference between active and passive systems.



Save image processing output to a layer or file.

Who should attend?

GIS Analysts

GIS Technical Leads

GIS Professionals

Suggestion

Completion of **ArcGIS 2: Essential Workflows** or equivalent knowledge.

Software

Esri will provide the following software to use during class:

- **ArcGIS Desktop 10.5 (Standard or Advanced)**